

**Project Design Phase II**  
**Technology Stack (Architecture & Stack)**

Date	22 June 2025
Team ID	LTVIP2025TMID56852
Project Name	ShopEZ E-Commerce Application
Maximum Marks	4 Marks

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

**Example: Order processing during pandemics for offline mode**

**Reference:** <https://www.coursera.org>

**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Web-based interface for online shopping and seller dashboard	HTML, CSS, JavaScript/ React JS, etc.
2.	Application Logic-1	Product listing, filtering, user authentication & checkout logic	Node.js, Express.js
3.	Application Logic-2	Seller product management, admin dashboard, order tracking	Node.js, Express.js
4.	Database	Stores product data, user accounts, orders, and cart information	MongoDB

**Table 2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Frontend frameworks	React.js, Node.js, Express.js
2.	Scalable Architecture	3-tier architecture with REST full APIs	Micro services

**References:**

[React.js Documentation](#)

[Node.js Best Practice](#)

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>